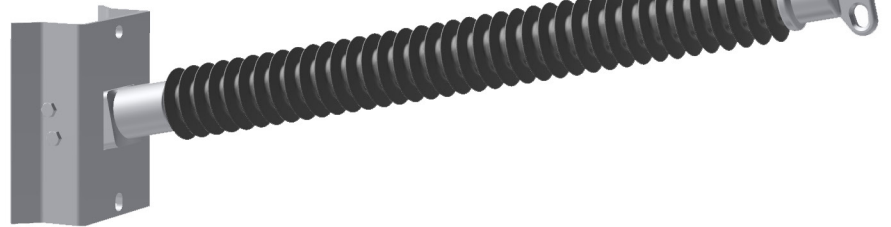


# Quadri\*Sil Braced Line Post Insulators

for 69 kV Applications & Above

These insulating structures offer vastly improved vertical load capabilities over conventional line posts, while retaining the advantages of a fixed conductor position.



# Catalog Number Key

Please follow the instructions in the Insulator Selection Guide and return the filled-out form to your Hubbell Power Systems representative. Filling out the form with as much information as possible will ensure that our engineers receive all the critical dimensions and information needed to design your braced line post assembly. For information on braced line post assemblies not included in this catalog, please contact your HPS representative.

## a ASSEMBLY TYPE

The first three digits define the insulator type. In this example, we picked a Braced Line Post; therefore, we entered "BLP" in the boxes designated for "a."

B	L	P								
a	a	a	b	b	b	c	d	d	e	e

## b POLYMER LENGTH

Polymer length of the line post member (in inches). The nominal polymer length (in inches) of the line post insulator is specified to help define voltage rating of the braced line post assembly. Refer to the Horizontal Line Post Insulators table in the Quadri\*Sil section for appropriate polymer lengths.

Fill in your selection in the boxes designated for section "b." For example, if you want a Braced Line Post with a 75-inch polymer length, enter "075."

B	L	P	0	7	5					
a	a	a	b	b	b	c	d	d	e	e

## c TYPE OF LINE POST BASE

A single letter is used to identify the type of base. Please refer to the base drawings for hole patterns and dimensions located in the Quadri\*Sil section.

- F – Flat
- G – Gain
- P – Pivoting

Fill in your selection in the box designated for section "c." For example, if you want a flat base, enter "F."

B	L	P	0	7	5	F				
a	a	a	b	b	b	c	d	d	e	e

## d UPSWEEP ANGLE

The upsweep angle of the assembly is defined to help identify the assembly. Typically, braced line post assemblies will have 12 degrees of upsweep angle, and horizontal-V and pivoting-V assemblies will have 0 degrees.

Fill in your selection in the box designated for section "d" for the upsweep

B	L	P	0	7	5	F	1	2		
a	a	a	b	b	b	c	d	d	e	e

## e INTERNAL USE

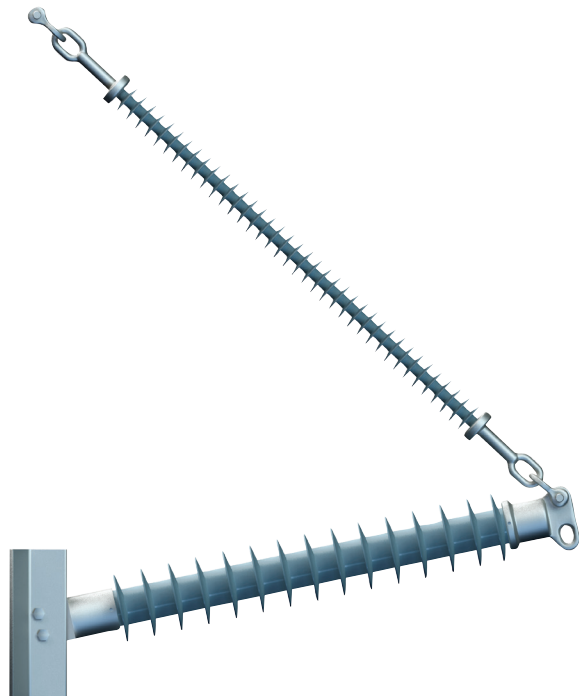
000 – Sequential number to address each variation or model

Fill in your selection in the box designated for section "e." In this example, the braced line post is the first in a series, as designated by "001."

B	L	P	0	7	5	F	1	2	0	0	0
a	a	a	b	b	b	c	d	d	e	e	e

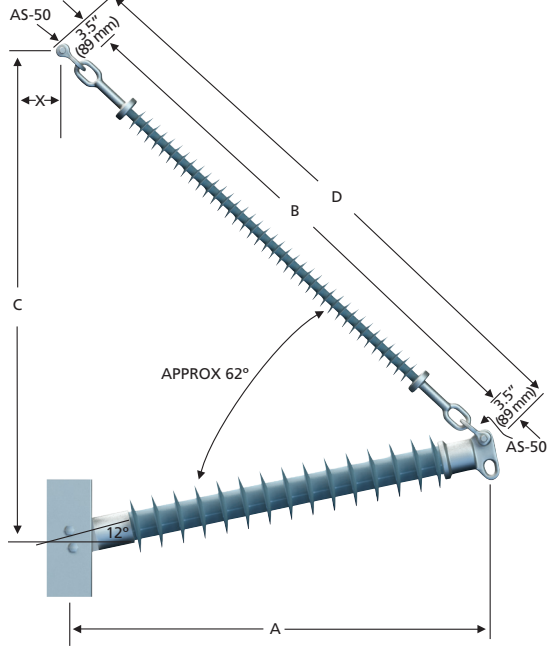
## example

Braced Line Post Insulator, 75" Line Post Polymer Length, Flat Base, 12 degrees of Upsweep Angle, Variation/Model 001 BLP075F12001

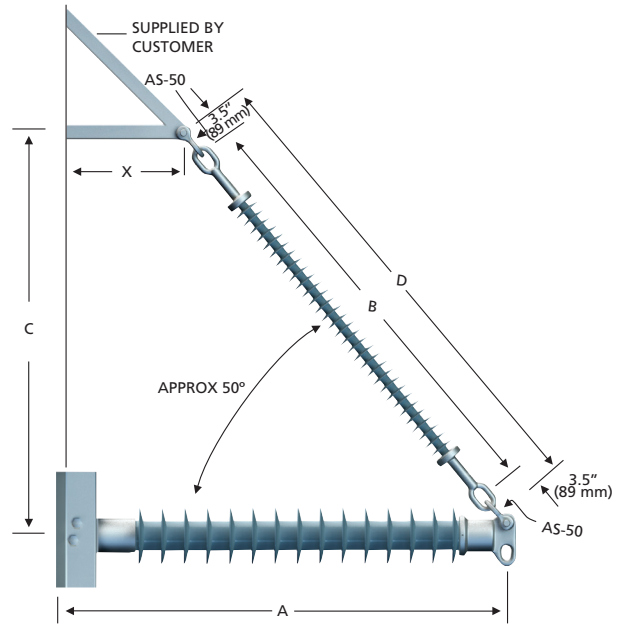


# Assembly Drawings

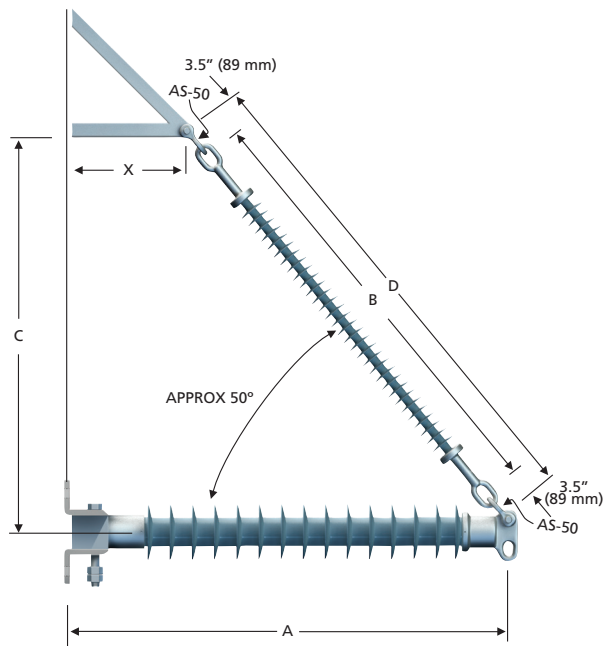
## Braced Line Post



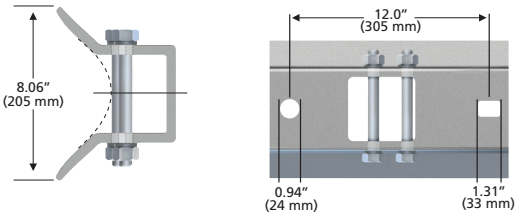
## Horizontal-V



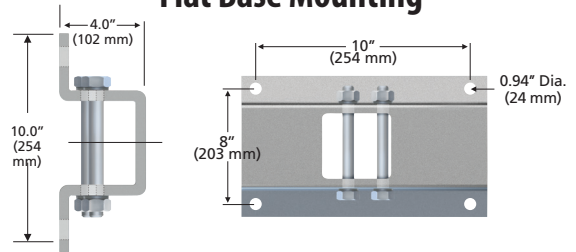
## Pivoting Horizontal-V



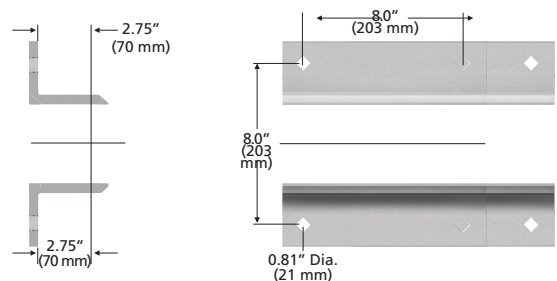
## Gain Base Mounting



## Flat Base Mounting

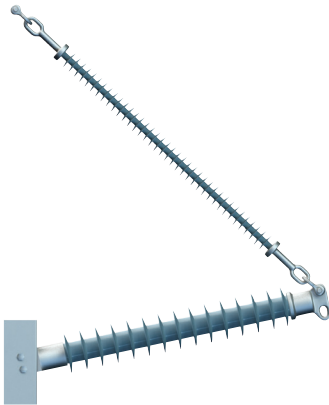


## Pivoting Base Mounting

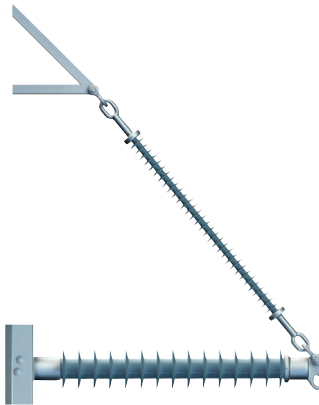


# Dimensions and Strength Ratings

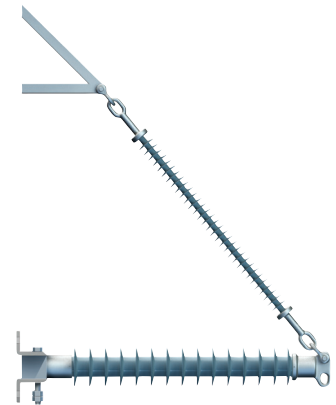
**Braced Line Post Assembly**



**Horizontal-V Assembly**



**Pivoting Horizontal-V Assembly**



## Braced Line Post Assembly

Typical System kV	Catalog Number Gain Base	Catalog Number Flat Base	Component Insulators		A inches (mm)	B inches (mm)	C inches (mm)	D inches (mm)	X inches (mm)	Maximum Loadings			
			Post	Suspension						Vertical lbs (kN)	Tension lbs (kN)	Compression lbs (kN)	Longitudinal lbs (kN)
115/138	BLP043G12000	BLP043F12000	P25004350XX0	S02506050000	55.9 (1420)	73.8 (1875)	74.0 (1880)	80.8 (2052)	2.0 (51)	11130 (49.5)	7500 (33.4)	7500 (33.4)	1625 (7.2)
115/138	BLP046G12000	BLP046F12000	P25004650XX0	S02506650000	58.2 (1478)	80.3 (2040)	82.0 (2083)	87.3 (2217)	2.0 (51)	11350 (50.5)	7500 (33.4)	7500 (33.4)	1550 (6.9)
161	BLP051G12000	BLP051F12000	P25005150XX0	S02507550000	63.0 (1600)	88.9 (2258)	90.0 (2286)	95.9 (2436)	2.0 (51)	11390 (50.7)	7500 (33.4)	7500 (33.4)	1415 (6.3)
161	BLP058G12000	BLP058F12000	P25005850XX0	S02508450000	70.1 (1781)	97.5 (2477)	96.0 (2438)	104.5 (2654)	2.0 (51)	11240 (50)	7500 (33.4)	7500 (33.4)	1250 (5.6)
230	BLP075G12000	BLP075F12000	P25007550XX0	S0251075000A	86.6 (2200)	121.3 (3081)	118.0 (2997)	128.3 (3259)	2.0 (51)	11220 (49.9)	7500 (33.4)	7500 (33.4)	985 (4.4)
230	BLP080G12000	BLP080F12000	P25008050XX0	S0251165000A	91.4 (2322)	129.9 (3299)	127.0 (3226)	136.9 (3477)	2.0 (51)	11260 (50.2)	7500 (33.4)	7500 (33.4)	930 (4.1)

## Horizontal-V Assembly

Typical System kV	Catalog Number Gain Base	Catalog Number Flat Base	Component Insulators		A inches (mm)	B inches (mm)	C inches (mm)	D inches (mm)	X inches (mm)	Maximum Loadings			
			Post	Suspension						Vertical lbs (kN)	Tension lbs (kN)	Compression lbs (kN)	Longitudinal lbs (kN)
115/138	BLP041G00000	BLP041F00000	P25004150XX0	S02504050000	54.7 (1389)	54.3 (1379)	51.0 (1295)	61.3 (1557)	18.0 (457)	10050 (44.7)	7500 (33.4)	7500 (33.4)	1715 (7.6)
115/138	BLP046G00000	BLP046F00000	P25004650XX0	S02504550000	59.5 (1511)	58.7 (1491)	55.0 (1397)	65.7 (1669)	20.0 (508)	10070 (44.8)	7500 (33.4)	7500 (33.4)	1550 (6.9)
161	BLP053G00000	BLP053F00000	P25005350XX0	S02505350000	66.8 (1697)	67.3 (1709)	61.0 (1549)	74.3 (1887)	22.0 (559)	10000 (44.5)	7500 (33.4)	7500 (33.4)	1355 (6.0)
161	BLP055G00000	BLP055F00000	P25005550XX0	S02505850000	69.2 (1758)	71.6 (1819)	66.0 (1676)	78.6 (1996)	24.0 (610)	10240 (45.5)	7500 (33.4)	7500 (33.4)	1300 (5.8)
230	BLP072G00000	BLP072F00000	P25007250XX0	S0250755000A	86.1 (2187)	88.9 (2258)	79.0 (2007)	95.9 (2436)	28.0 (711)	10010 (44.5)	7500 (33.4)	7500 (33.4)	1015 (4.5)
230	BLP080G00000	BLP080F00000	P25008050XX0	S0250845000A	93.4 (2372)	97.5 (2477)	85.0 (2159)	104.5 (2654)	30.0 (762)	9960 (44.3)	7500 (33.4)	7500 (33.4)	930 (4.1)

## Pivoting Horizontal-V Assembly

Typical System kV	Catalog Number Gain Base	Catalog Number Flat Base	Component Insulators		A inches (mm)	B inches (mm)	C inches (mm)	D inches (mm)	X inches (mm)	Maximum Loadings			
			Post	Suspension						Vertical lbs (kN)	Tension lbs (kN)	Compression lbs (kN)	Longitudinal lbs (kN)
115/138	—	BLP041P00000	P25004150390	S02504350000	53.1 (1349)	52.2 (1326)	50.0 (1270)	59.2 (1504)	18.0 (457)	10140 (45.1)	7500 (33.4)	7500 (33.4)	7500 (33.4)
115/138	—	BLP048P00000	P25004850390	S02504950000	57.9 (1471)	58.7 (1491)	56.0 (1422)	65.7 (1669)	20.0 (508)	10270 (45.7)	7500 (33.4)	7500 (33.4)	7500 (33.4)
161	—	BLP053P00000	P25005350390	S02505150000	65.2 (1656)	65.1 (1654)	60.0 (1524)	72.1 (1831)	22.0 (559)	10070 (44.8)	7500 (33.4)	7500 (33.4)	7500 (33.4)
161	—	BLP055P00000	P25005550390	S02505650000	67.6 (1717)	69.5 (1765)	65.0 (1651)	76.5 (1943)	24.0 (610)	10310 (45.9)	7500 (33.4)	7500 (33.4)	7500 (33.4)
230	—	BLP072P00000	P25007050390	S0250755000A	84.5 (2146)	88.9 (2258)	81.0 (2057)	95.9 (2436)	28.0 (711)	10150 (45.1)	7500 (33.4)	7500 (33.4)	7500 (33.4)
230	—	BLP080P00000	P25008050390	S0250815000A	91.8 (2332)	95.4 (2423)	84.0 (2134)	102.4 (2601)	30.0 (762)	10150 (45.1)	7500 (33.4)	7500 (33.4)	7500 (33.4)

**Notes:**

1. Corona rings are required and included for 220 kV and above.
2. Base end fitting for posts is code "02" for a gain base or "03" for a flat base. Replace the "XX" with the appropriate code.
3. Maximum loads are for single loads in the specified direction.
4. Contact your Hubbell Power Systems representative to request combined load charts.
5. Additional voltages and assemblies available. Contact you HPS representative to inquire.



BLP



## About Hubbell Power Systems

Hubbell Power Systems (HPS) manufactures a wide variety of transmission, distribution, substation, OEM and telecommunications products used by utilities. HPS products are also used in the civil construction, transportation, gas and water industries. Our product line includes construction and switching products, tools, insulators, arresters, pole line hardware, cable accessories, test equipment, transformer bushings and polymer precast enclosures and equipment pads.

Because Hubbell has a policy of continuous product improvement. We reserve the right to change design and specifications without notice.

©Copyright 2019 Hubbell Incorporated  
Printed in U.S.A. | Rev. 01/2019

Catalog CA\_08\_051\_E

[www.hubbellpowersystems.com](http://www.hubbellpowersystems.com)

